

# United States Patent and Trademark Office

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER OF PATENTS AND TRADEMARKS
Washington, D.C. 20231
www.uspto.gov

APPLICATION NO.	. FILING DATE		FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/903,806	C	07/11/2001	Avi Ashkenazi	10466/40	1365
30313	7590	10/01/2002			
KNOBBE, 2040 MAIN		NS, OLSON & I	EXAMINER		
FOURTEEN		)R	ROMEO, DAVID S		
IRVINE, CA	92614			ART UNIT	PAPER NUMBER
				1647	
				DATE MAILED: 10/01/2002	<i>)</i> †

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary    Cambine   David S Romeo								
Examiner David S Romeo  - The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply  A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE of FTHIS COMMUNICATION.  Extraction of time may be available to when the providence of 3°C FR 1.38(e). In no event, however, any a reply be intendy filed  - If the period is reply specified above, the neutrons staticory period will apply and will agries SIX (9) MONTHS from the realizing dent of the communication. If the period complete the realizing of the communication of this victory and the period will apply and will agries SIX (9) MONTHS from the realizing dent of this communication. Provided will apply and will agries SIX (9) MONTHS from the realizing dent of this communication. Provided will apply and will agries SIX (9) MONTHS from the realizing dent of this communication. Provided will apply and will agries SIX (9) MONTHS from the realizing dent of this communication. Provided will apply and will agries SIX (9) MONTHS from the realizing dent of this communication. Provided will apply and will agries SIX (9) MONTHS from the realizing dent of this communication. Provided will apply and will agries SIX (9) MONTHS from the realizing dent of this communication. Provided will apply and will agries SIX (9) MONTHS from the realizing dent of this communication. Provided will apply and will agries SIX (9) MONTHS from the realizing dent of this communication.  1) This action is FINAL. 2b) This action is non-final.  3) Since this application is in condition or ellowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.  Disposition of Claims  4) Claim(s) 39-44 is/are pending in the application.  4a) Of the above claim(s) is/are withdrawn from consideration.  5) Claim(s) is/are ablected to by the Examiner.  10) The proposed drawing correction filed on is/are: a) accepted or b) objected to		Application No.	Applicant(s)					
David S Romeo  - The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply  A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.  - Electristing of firm may be availabled under the provisions of 3 CTR 1.13(e). In no event, ineverse, may a riely be timely fined after SIX (sMONTHS from the milling dato of this communication.  - If this period for riely specified shade is less time many (30) days, a reply which the safety within the safety of the provision of the major shade of the safety shade of the safety within the safety within the safety of the safety within the safety within the safety within the safety of the safety within the safety within the safety of the safety within the safety within the safety of the safety within the safety of the safety within the safety within the safety of the safety within the safety of the safety within the safety of the safety within	Office Action Summers	09/903,806	ASHKENAZI ET AL.					
The MAILNO DATE of this communication appears on the cover sheet with the correspondence address Period for Reply  A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.  Edenations of them ghby be vaidable under the procession of 37 CPR 1.15(g), in or event, however, may a reply be finely filed  If the period for reply spacefield above, he maximum studutory period will be addutiony minimum of their (30) days will be considered timely.  If the period for reply spacefield above, he maximum studutory period will be patiently in the period for reply will, by addution of the period to reply will, by addution of the poly and will explore the maining date of this communication.  If the period for reply spacefield above, he maximum studutory period will be patiently adduted the convention of the period of	Onice Action Summary	Examiner	Art Unit					
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MALLING DATE OF THIS COMMUNICATION.  - Exteriors of time may be swilled winder by power one of 3CTER 1.18(e). In no event, however, may a reply be timely filed offer SIX (6) (MONITH from the making date of this communication.  - If the period from may be swilled winder by power one of 3CTER 1.18(e). In no event, however, may a reply be timely filed offer SIX (6) (MONITH from the making date of this communication.  - If allule to reply within the set or estanded period for reply well by stander, cause the application to become ABANDONED (SU SIX 5 133).  - Pallule to reply within the set or estanded period for reply well by stander, cause the application to become ABANDONED (SU SIX 5 133).  - Any lepty mounted by the Office eith that there enmining date of this communication, even if firrely ficed, may reduce stry?  - Any lepty mounted by the Office eith that there enmining date of this communication, even if firrely ficed, may reduce stry?  - Any lepty mounted by the Office eith that there enmining date of this communication, even if firrely ficed, may reduce stry?  - Any lepty mounted by the Office eith and the remaining date of this communication, even if firrely ficed, may reduce stry?  - Any lepty mounted by the Office eith and the remaining date of this communication, even if firrely ficed, may reduce stry?  - Any lepty mounted by the Office extended the office of the communication of the property of the communication of the communication of the communication even if firrely ficed on a set of the standard of the communication even if firrely ficed extended the property of the communication even if firrely firely extended even is a set of the communication even if firrely firely even if firrely firrely extended even in the property even if firrely firrely even if firrely even if firrely even	The MAILING DATE of this area in the		1 - 11					
THE MAILING DATE OF THIS COMMUNICATION.  Extensions of them may be waitable under the provisions of 37 CFR 1.158(p). In no evert, however, may a reply be timely filed and the provisions of 37 CFR 1.158(p). In no evert, however, may a reply be timely filed and the provisions of them was all them to the provisions of them to the provisions of them them them to the provisions of them them them to them them them them them them them them	The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply							
2a) This action is FINAL.  2b) This action is non-final.  3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.  Disposition of Claims  4) Claim(s) 39-44 is/are pending in the application.  4a) Of the above claim(s) is/are withdrawn from consideration.  5) Claim(s) is/are allowed.  6) Claim(s) is/are allowed.  6) Claim(s) is/are objected to.  8) Claim(s) is/are objected to.  9) The specification is objected to by the Examiner.  10 The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.  Application Papers  9) The specification is objected to by the Examiner.  11 The proposed drawing correction filed on is: a) approved b) disapproved by the Examiner.  12 The oath or declaration is objected to by the Examiner.  12 The oath or declaration is objected to by the Examiner.  Priority under 35 U.S.C. §§ 119 and 120  13 Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) All b) Some * c) None of:  1 Certified copies of the priority documents have been received in Application No  3 Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  *See the attached detailed Office action for a list of the certified copies not received.  14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).  a) The translation of the foreign language provisional application has been received.  15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.  Attachment(s)	THE MAILING DATE OF THIS COMMUNICATION.  - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.  - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.  - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.  - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).  - Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).							
3  Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.  Disposition of Claims  4)  Claim(s) 39-44 is/are pending in the application.  4a) Of the above claim(s) is/are withdrawn from consideration.  5)  Claim(s) is/are allowed.  6)  Claim(s) is/are allowed.  7)  Claim(s) is/are objected to.  8)  Claim(s) are subject to restriction and/or election requirement.  Application Papers  9)  The specification is objected to by the Examiner.  10)  The drawing(s) filed on is/are: a)    accepted or b)    objected to by the Examiner.  Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  11)  The proposed drawing correction filed on is: a)    approved b)    disapproved by the Examiner.  If approved, corrected drawings are required in reply to this Office action.  12)  The oath or declaration is objected to by the Examiner.  Priority under 35 U.S.C. §§ 119 and 120  13)  Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a)  All b)  Some * c) None of:  1.  Certified copies of the priority documents have been received in Application No  3.  Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  *See the attached detailed Office action for a list of the certified copies not received.  14)  Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).  a)  The translation of the foreign language provisional application has been received.  15)  Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 120 and/or 121.  Attachment(s)  Produce of References Cited (PTO-492)  Produce of Informal Patent Analization (PTO-13) Paper No(s)	1) Responsive to communication(s) filed on 26 A	ugust 2002 .						
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.  Disposition of Claims  4) Claim(s) 39-44 is/are pending in the application.  4a) Of the above claim(s) is/are withdrawn from consideration.  5) Claim(s) is/are allowed.  6) Claim(s) 39-44 is/are rejected.  7) Claim(s) is/are objected to.  8) Claim(s) are subject to restriction and/or election requirement.  Application Papers  9) The specification is objected to by the Examiner.  10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.  Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  11) The proposed drawing correction filed on is: a) proved b) disapproved by the Examiner.  If approved, corrected drawings are required in reply to this Office action.  12) The oath or declaration is objected to by the Examiner.  Priority under 35 U.S.C. §§ 119 and 120  13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) All b) Some c) None of:  1. Certified copies of the priority documents have been received in Application No  3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  *See the attached detailed Office action for a list of the certified copies not received.  14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 119(e) (to a provisional application).  a) The translation of the foreign language provisional application has been received.  15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.  Attachment(e) Notice of References Cited (PTO-892)    Notice of Intormal Patent Anolivation (PTO-153)	2a)☐ This action is <b>FINAL</b> . 2b)⊠ This	s action is non-final.						
4a) Of the above claim(s) is/are withdrawn from consideration.  5) □ Claim(s) is/are allowed.  6) ☒ Claim(s) is/are rejected.  7) □ Claim(s) is/are objected to.  8) □ Claim(s) are subject to restriction and/or election requirement.  Application Papers  9) ☒ The specification is objected to by the Examiner.  10) □ The drawing(s) filed on is/are: a) □ accepted or b) □ objected to by the Examiner.  Applicant may not request that any objection to the drawing(s) be held in aboyance. See 37 CFR 1.85(a).  11) □ The proposed drawing correction filed on is: a) □ approved b) □ disapproved by the Examiner.  If approved, corrected drawings are required in reply to this Office action.  12) □ The oath or declaration is objected to by the Examiner.  Priority under 35 U.S.C. §§ 119 and 120  13) □ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) □ All b) □ Some * c) □ None of:  1. □ Certified copies of the priority documents have been received.  2. □ Certified copies of the priority documents have been received in Application No  3. □ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.  14) ☒ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.  Attachment(s)  15) ☒ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.							
5) Claim(s) is/are allowed. 6) Claim(s) 39-44 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or election requirement. Application Papers  9) The specification is objected to by the Examiner. 10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in aboyance. See 37 CFR 1.85(a). 11) The proposed drawing correction filed on is: a) approved b) disapproved by the Examiner. If approved, corrected drawings are required in reply to this Office action.  12) The oath or declaration is objected to by the Examiner.  Priority under 35 U.S.C. § 119 and 120  13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of:  1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.  14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application). a) The translation of the foreign language provisional application has been received.  15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.  Attachment(s)  10 Notice of References Cited (PTO-892) 21 Notice of Draftsperson's Patent Drawing Review (PTO-948) 51 Notice of Informal Patent Annication (PTO-152)	4) Claim(s) 39-44 is/are pending in the application.							
5) Claim(s) is/are allowed. 6) Claim(s) 39-44 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or election requirement. Application Papers  9) The specification is objected to by the Examiner. 10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in aboyance. See 37 CFR 1.85(a). 11) The proposed drawing correction filed on is: a) approved b) disapproved by the Examiner. If approved, corrected drawings are required in reply to this Office action.  12) The oath or declaration is objected to by the Examiner.  Priority under 35 U.S.C. § 119 and 120  13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of:  1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.  14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application). a) The translation of the foreign language provisional application has been received.  15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.  Attachment(s)  10 Notice of References Cited (PTO-892) 21 Notice of Draftsperson's Patent Drawing Review (PTO-948) 51 Notice of Informal Patent Annication (PTO-152)								
7) Claim(s) is/are objected to.  8) Claim(s) are subject to restriction and/or election requirement.  Application Papers  9) The specification is objected to by the Examiner.  10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.  Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  11) The proposed drawing correction filed on is: a) approved b) disapproved by the Examiner.  If approved, corrected drawings are required in reply to this Office action.  12) The oath or declaration is objected to by the Examiner.  Priority under 35 U.S.C. §§ 119 and 120  13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) All b) Some c) None of:  1. Certified copies of the priority documents have been received.  2. Certified copies of the priority documents have been received in Application No  3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.  14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).  a) The translation of the foreign language provisional application has been received.  15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.  Attachment(s)  4) Interview Summary (PTO-413) Paper No(s)  51 Notice of Paftsperson's Patent Drawing Review (PTO-948)	_							
8   Claim(s) are subject to restriction and/or election requirement.  Application Papers  9   The specification is objected to by the Examiner.  10   The drawing(s) filed on is/are: a)   accepted or b)   objected to by the Examiner.  Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  11   The proposed drawing correction filed on is: a)   approved b)   disapproved by the Examiner.  If approved, corrected drawings are required in reply to this Office action.  12   The oath or declaration is objected to by the Examiner.  Priority under 35 U.S.C. §§ 119 and 120  13   Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a)   All   b)   Some * c)   None of:  1   Certified copies of the priority documents have been received.  2   Certified copies of the priority documents have been received in Application No  3.   Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.  14)   Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).  a)   The translation of the foreign language provisional application has been received.  Attachment(s)    Interview Summary (PTO-413) Paper No(s)    Solide of References Cited (PTO-892)   Interview Summary (PTO-413) Paper No(s)    Di   Notice of Intermal Patent Application (PTO-152)   Interview Summary (PTO-152)   Interview Summar								
Application Papers  9) ☐ The specification is objected to by the Examiner.  10) ☐ The drawing(s) filed on is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  11) ☐ The proposed drawing correction filed on is: a) ☐ approved b) ☐ disapproved by the Examiner.  If approved, corrected drawings are required in reply to this Office action.  12) ☐ The oath or declaration is objected to by the Examiner.  Priority under 35 U.S.C. §§ 119 and 120  13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) ☐ All b) ☐ Some * c) ☐ None of:  1. ☐ Certified copies of the priority documents have been received.  2. ☐ Certified copies of the priority documents have been received in Application No  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.  14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).  a) ☐ The translation of the foreign language provisional application has been received.  15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 120 and/or 121.  Attachment(s)  10 ☐ Notice of References Cited (PTO-892)  21 ☐ Notice of Informal Patent Application (PTO-152)								
9) The specification is objected to by the Examiner.  10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.  Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  11) The proposed drawing correction filed on is: a) approved b) disapproved by the Examiner.  If approved, corrected drawings are required in reply to this Office action.  12) The oath or declaration is objected to by the Examiner.  Priority under 35 U.S.C. §§ 119 and 120  13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) All b) Some * c) None of:  1. Certified copies of the priority documents have been received.  2. Certified copies of the priority documents have been received in Application No  3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.  14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).  a) The translation of the foreign language provisional application has been received.  Attachment(s)  10 Notice of References Cited (PTO-892)  21 Notice of Draftsperson's Patent Drawing Review (PTO-948)								
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.  Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  11) The proposed drawing correction filed on is: a) approved b) disapproved by the Examiner.  If approved, corrected drawings are required in reply to this Office action.  12) The oath or declaration is objected to by the Examiner.  Priority under 35 U.S.C. §§ 119 and 120  13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) All b) Some * c) None of:  1. Certified copies of the priority documents have been received.  2. Certified copies of the priority documents have been received in Application No  3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.  14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).  a) The translation of the foreign language provisional application has been received.  15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.  Attachment(s)  10 Interview Summary (PTO-413) Paper No(s)	Application Papers							
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  11) The proposed drawing correction filed on is: a) approved b) disapproved by the Examiner. If approved, corrected drawings are required in reply to this Office action.  12) The oath or declaration is objected to by the Examiner.  Priority under 35 U.S.C. §§ 119 and 120  13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) All b) Some * c) None of:  1. Certified copies of the priority documents have been received.  2. Certified copies of the priority documents have been received in Application No  3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.  14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).  a) The translation of the foreign language provisional application has been received.  15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.  Attachment(s)  10) Notice of References Cited (PTO-892)  11) Notice of Draftsperson's Patent Drawing Review (PTO-948)								
11) The proposed drawing correction filed on is: a) approved b) disapproved by the Examiner.  If approved, corrected drawings are required in reply to this Office action.  12) The oath or declaration is objected to by the Examiner.  Priority under 35 U.S.C. §§ 119 and 120  13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) All b) Some * c) None of:  1. Certified copies of the priority documents have been received.  2. Certified copies of the priority documents have been received in Application No  3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.  14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).  a) The translation of the foreign language provisional application has been received.  15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.  Attachment(s)  4) Interview Summary (PTO-413) Paper No(s)	•							
If approved, corrected drawings are required in reply to this Office action.  12) The oath or declaration is objected to by the Examiner.  Priority under 35 U.S.C. §§ 119 and 120  13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) All b) Some * c) None of:  1. Certified copies of the priority documents have been received.  2. Certified copies of the priority documents have been received in Application No  3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.  14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).  a) The translation of the foreign language provisional application has been received.  15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.  Attachment(s)  10 Notice of References Cited (PTO-892)  41 Interview Summary (PTO-413) Paper No(s)  52 Notice of Informal Patent Application (PTO-152)								
12) ☐ The oath or declaration is objected to by the Examiner.  Priority under 35 U.S.C. §§ 119 and 120  13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) ☐ All b) ☐ Some * c) ☐ None of:  1. ☐ Certified copies of the priority documents have been received.  2. ☐ Certified copies of the priority documents have been received in Application No  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.  14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).  a) ☐ The translation of the foreign language provisional application has been received.  15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.  Attachment(s)  10 ☐ Notice of References Cited (PTO-892)  21 ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)								
Priority under 35 U.S.C. §§ 119 and 120  13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) All b) Some * c) None of:  1. Certified copies of the priority documents have been received.  2. Certified copies of the priority documents have been received in Application No  3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.  14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).  a) The translation of the foreign language provisional application has been received.  15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.  Attachment(s)  10 Notice of References Cited (PTO-892)  21 Notice of Draftsperson's Patent Drawing Review (PTO-948)								
13)   Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a)   All b)   Some * c)   None of:  1.								
a) All b) Some * c) None of:  1. Certified copies of the priority documents have been received.  2. Certified copies of the priority documents have been received in Application No  3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.  14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).  a) The translation of the foreign language provisional application has been received.  15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.  Attachment(s)  1 Notice of References Cited (PTO-892)  4 Interview Summary (PTO-413) Paper No(s)								
1. ☐ Certified copies of the priority documents have been received.  2. ☐ Certified copies of the priority documents have been received in Application No  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.  14) ☒ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).  a) ☐ The translation of the foreign language provisional application has been received.  15) ☒ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.  Attachment(s)  1 ☒ Notice of References Cited (PTO-892)  2 ☒ Notice of Draftsperson's Patent Drawing Review (PTO-948)  5 ☒ Notice of Informal Patent Application (PTO-152)								
2. ☐ Certified copies of the priority documents have been received in Application No  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.  14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).  a) ☐ The translation of the foreign language provisional application has been received.  15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.  Attachment(s)  1) ☐ Notice of References Cited (PTO-892)  4) ☐ Interview Summary (PTO-413) Paper No(s)  5) ☐ Notice of Informal Patent Application (PTO-152)		have been more to all						
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.  14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).  a) ☐ The translation of the foreign language provisional application has been received.  15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.  Attachment(s)  1) ☐ Notice of References Cited (PTO-892)  4) ☐ Interview Summary (PTO-413) Paper No(s)  5) ☐ Notice of Informal Patent Application (PTO-152)			••					
application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.  14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).  a) The translation of the foreign language provisional application has been received.  15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.  Attachment(s)  1) Notice of References Cited (PTO-892)  4) Interview Summary (PTO-413) Paper No(s)  5) Notice of Informal Patent Application (PTO-152)								
a) The translation of the foreign language provisional application has been received.  15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.  Attachment(s)  1) Notice of References Cited (PTO-892)  2) Notice of Draftsperson's Patent Drawing Review (PTO-948)  1) Notice of Informal Patent Application (PTO-152)	application from the International Bureau (PCT Rule 17.2(a)).							
15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.  Attachment(s)  1) Notice of References Cited (PTO-892)  2) Notice of Draftsperson's Patent Drawing Review (PTO-948)  15) Notice of Informal Patent Application (PTO-152)	14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).							
1) Notice of References Cited (PTO-892)  4) Interview Summary (PTO-413) Paper No(s)  2) Notice of Draftsperson's Patent Drawing Review (PTO-948)  5) Notice of Informal Patent Application (PTO-152)	a) $\square$ The translation of the foreign language provisional application has been received. 15) $\boxtimes$ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.							
2) Notice of Draftsperson's Patent Drawing Review (PTO-948)  5) Notice of Informal Patent Application (PTO-152)	Attachment(s)							
	Notice of References Cited (PTO-892)     Notice of Draftsperson's Patent Drawing Review (PTO-948)     Information Disclosure Statement(s) (PTO-1449) Paper No(s) 10.	5) Notice of Informal P						

Art Unit: 1647

Page 2

#### **DETAILED ACTION**

The preliminary amendment filed August 26, 2002 (Paper No. 9) and the preliminary amendment to the claims filed concurrently with the present application have been entered. Claims 39-44 are pending and being examined.

5

The computer readable form of the sequence listing filed December 18, 2001 (Paper No. 4) has been entered after correction of minor errors in the CRF by the Scientific and Technical Information Center staff. Specifically, the nucleic acid number "42" at the end of the nucleic line in SEQ ID NO: 173 was changed to "43".

10

15

20

According to the priority statement of August 26, 2002 (Paper No. 9), it appears that the claimed subject matter defined in the instant application is supported by the parent application PCT/US00/04414 filed February 22, 2000. Based on the information given by applicant and an inspection of the patent applications, the examiner has concluded that the subject matter defined in this application is supported by the disclosure in application PCT/US00/04414 filed February 22, 2000, but is not supported by any of the others because in order to obtain the benefit of an earlier filing date in the United States under 35 U.S.C. 120 an invention must disclosed in the manner provided by the first paragraph of section 112 of this title in an application previously filed in the United States. Prior to February 22, 2000 the PRO214 polypeptide is not supported by either a specific and substantial asserted utility or a well established utility, and one skilled in the art clearly would not know how to use the claimed invention. Accordingly, the subject matter defined in claims 39-51 has an effective filing date of February 22, 2000.

Art Unit: 1647

Page 3

Should the applicant disagree with the examiner's factual determination above, it is incumbent upon the applicant to provide the serial number and specific page number(s) of any parent application filed prior to February 22, 2000 which specifically supports the particular claim limitation for each and every claim limitation in all the pending claims which applicant considers to have been in possession of and fully enabled for prior to February 22, 2000.

## Specification

The disclosure is objected to because it contains an embedded hyperlink and/or other form of browser-executable code. For example, see page 69, line 8. This list is not meant to be exhaustive. The lengthy specification has not been checked to the extent necessary to determine the presence of all embedded hyperlinks and/or other forms of browser-executable code.

Applicant's cooperation is requested in correcting any errors of which applicant may become aware in the specification. Applicant is required to delete the embedded hyperlink and/or other form of browser-executable code. See MPEP § 608.01.

15

20

10

5

The application is not fully in compliance with the sequence rules, 37 C.F.R. § 1.821-1.825. Specifically, the specification fails to recite the appropriate sequence identifiers at each place where a sequence is discussed. See page 14, line 17. This is not meant to be an exhaustive list of places where the specification fails to comply with the sequence rules. The specification has not been checked to the extent necessary to determine the presence of all possible minor errors. Applicant's cooperation is requested in correcting any errors of which applicant may become aware in the specification. The application cannot issue until it is in compliance.

Art Unit: 1647

5

10

15

20

Page 4

Nucleic acid sequences with 10 or more nucleotides, at least 4 of which are specifically defined, must comply with the sequence rules. Amino acid sequences with 4 or more residues, at least 4 of which are specifically defined, must comply with the sequence rules. Sequence identifiers can also be used to discuss and/or claim parts or fragments of a properly presented sequence. For example, language such as "residues 14 to 243 of SEQ ID NO:23" is permissible and the fragment need not be separately presented in the "Sequence Listing."

Correction is required.

# Information Disclosure Statement

The sequences in the information disclosure statement filed March 14, 2002 (Paper No. 10) have been considered to the extent possible, but a residue by residue comparison has not been done. The "Other Art" will not be listed on any patent resulting from this application because it was not provided on a separate list in compliance with 37 CFR 1.98(a)(1). In order to have the references printed on such resulting patent, a separate listing, preferably on a PTO-1449 or PTO/SB/08A and 08B form, must be filed within the set period for reply to this Office action.

### Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claim 44 is indefinite because it recites the term "specifically binds". Because the instant specification does not identify that material element or combination of elements which is unique

Application/Control Number: 09/903,806 Page 5

Art Unit: 1647

5

10

15

to, and, therefore, definitive of "specifically binds" an artisan cannot determine what additional or material functional limitations are placed upon a claim by the presence of this element.

## Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.

The following rejection under 35 U.S.C. § 102 is made under the assumption that the effective filing date for the instantly claimed invention is February 22, 2000.

Claims 39-44 are rejected under 35 U.S.C. 102(a) as being anticipated by Ruben (n11). Ruben discloses an isolated polypeptide (page 185, lines 16-17) comprising the amino acid sequence of SEQ ID NO: 138 (page 59, line 29, through page 62, line 6; page 175; page 288, claim 11; pages 88-89 of the sequence listing). Ruben also discloses the signal peptide of SEQ ID NO: 138, comprising amino acids 1-26 of SEQ ID NO: 138 (page 175; page 185, line 26, through page 186, line 25). The amino acid sequence of Ruben's SEQ ID NO: 138 is 97% identical to the amino acid sequence of the polypeptide shown in Figure 40 (SEQ ID NO: 109) of

20 the present application, as indicated below:

```
AAY76151 standard; Protein; 434 AA.
      XX
      AC
           AAY76151;
25
      XX
      DT
           23-MAR-2000 (first entry)
      XX
           Human secreted protein encoded by gene 28.
30
      KW
           Human; secreted protein; cancer; tumour; developmental abnormality;
      KW
           foetal deficiency; blood disorder; immune system disorder; inflammation;
           autoimmune disease; allergy; Alzheimer's disease; cognitive disorder;
      KW
      KW
           schizophrenia; arthritis; asthma; psoriasis; sepsis; skin disorder;
```

Art Unit: 1647

```
atherosclerosis; diabetes; cardiovascular disorder; kidney disorder;
            digestive disorder; endocrine disorder; infection; AIDS; leukaemia;
       KW
            therapy; chromosome 3.
       KW
       xx
  5
       os
            Homo sapiens.
       XX
       PN
            WO9958660-A1.
       XX
       PD
            18-NOV-1999.
 10
       XX
       PF
            06-MAY-1999;
                            99WO-US09847.
       ХX
       PR
            12-MAY-1998;
                            98US-0085093.
       PR
            12-MAY-1998:
                            98US-0085094.
 15
            12-MAY-1998;
       PR
                            98US-0085105.
       PR
            12-MAY-1998;
                            98US-0085180.
       PR
            18-MAY-1998;
                            98US-0085906.
            18-MAY-1998;
       PR
                            98US-0085920.
            18-MAY-1998;
                           98US-0085921.
20
       PR
            18-MAY-1998:
                            98US-0085922.
       PR
            18-MAY-1998:
                            98US-0085923.
       PR
            18-MAY-1998;
                           98US-0085924.
       PR
            18-MAY-1998;
                           98US-0085928.
       PR
            18-MAY-1998;
                            98US-0085925.
25
       PR
            18-MAY-1998;
                           98US-0085927.
       XX
            (HUMA-) HUMAN GENOME SCI INC.
       PA
       XX
            Ruben SM, Florence K, Ni J, Rosen CA, Carter KC, Moore PA; Olsen HS, Shi Y, Young PE, Wei F, Brewer LA, Soppet DR;
       PΙ
30
       ΡI
            Lafleur DW, Endress GA, Ebner R;
       xx
       DR
            WPI: 2000-062296/05.
       DR
           N-PSDB; AAZ65277.
35
      XX
           New isolated human genes and the secreted polypeptides they encode,
       PT
            useful for diagnosis and treatment of e.g. cancers, neurological
       PT
       PT
            disorders, immune diseases, inflammation or blood disorders
      ХX
40
      PS
           Claim 11; Page 380-381; 475pp; English.
      XX
           AAZ65250 to AAZ65350 represent 97 isolated human secreted protein genes.
      CC
           AAY76124 to AAY76223 are the secreted proteins encoded by the 97 human
      CC
           genes. The gene encoding this protein was found to be on \mbox{chromosome 3.}
45
      CC
           The genes and their corresponding secreted polypeptides are
      CC
           useful for preventing, treating or ameliorating medical conditions,
      CC
           e.g. by protein or gene therapy. Also pathological conditions can be
           diagnosed by determining the amount of the new polypeptides in a sample
      CC
           or by determining the presence of mutations in the new genes. Specific
      CC
50
      CC
           uses are described for each of the 97 genes, based on which tissues they
      CC
           are most highly expressed in, and include developing products for the
      CC
           diagnosis or treatment of cancer, tumours, developmental abnormalities
      CC
           and foetal deficiencies, blood disorders, diseases of the immune system,
      CC
           autoimmune diseases, inflammation, allergies, Alzheimer's and cognitive
55
           disorders, schizophrenia, arthritis, asthma, psoriasis, sepsis, skin
           disorders, atherosclerosis, diabetes, cardiovascular disorders, kidney
      CC
           disorders, digestive/endocrine disorders, infections and AIDS. The
      CC
           polypeptides are also useful for identifying their binding partners.
      CC
           The sequences shown in AAY76224 to AAY76424 represent fragments of the
60
           secreted proteins.
      CC
      XX
           Sequence
                      434 AA:
65
        Query Match
                                 83.8%; Score 1998; DB 21;
                                                               Length 434;
        Best Local Similarity
                                96.6%; Pred. No. 1.2e-139;
        Matches 344; Conservative 6; Mismatches
                                                          6; Indels
                                                                                      0;
```

Application/Control Number: 09/903,806 Page 7

Art Unit: 1647

30

35

40

```
6 PKGLVPAVLWGLSLFLNLPGPIWLQPSPPPQSSPPPQPHPCHTCRGLVDSFNKGLERTIR 65
    Qу
            Db
          3 peglvpavlwglslflnlpgpiwlqpspppqsspppqphpchtcrglvdsfnkglertir 62
 5
    Qу
         66 DNFGGGNTAWEEENLSKYKDSETRLVEVLEGVCSKSDFECHRLLELSEELVESWWFHKQQ 125
            Db
         63 dnfgggntaweeenlskykdsetrlvevlegvcsksdfechrllelseelveswwfhkqq 122
10
    Qу
        126 EAPDLFQWLCSDSLKLCCPAGTFGPSCLPCPGGTERPCGGYGQCEGEGTRGGSGHCDCQA 185
            Db
           eapdlfqwlcsdslklccpagtfgpsclpcpggterpcggygqcegegtrggsghcdcqa 182
    Qу
        186 GYGGEACGQCGLGYFEAERNASHLVCSACFGPCARCSGPEESNCLQCKKGWALHHLKCVD 245
15
           Db
        183 gyggeacgqcglgyfeaernashlvcsacfgpcarcsgpeesnclqckkgwalhhlkcvd 242
        246 IDECGTEGANCGADQFCVNTEGSYECRDCAKACLGCMGAGPGRCKKCSPGYQQVGSKCLD 305
    Qу
            20
    Db
           idecgtegancgadqfcvntegsyecrdcakaclgcmgagpgrckkcspgyqqvgskcld 302
    Qу
        306 VDECETEVCPGENKQCENTEGGYRCICAEGYKQMEGICVKEQIPESAGFFSEMTED 361
           Db
        303 vdecetevcpgenkqcenteggyrcicaegykqmegicvkeqipgafpiltdltpe 358.
25
```

Ruben discloses preferred epitopes of SEQ ID NO: 138 (page 61, lines 3-7) that are identical to the corresponding regions of the present application's SEQ ID NO: 109. Ruben also discloses antibodies, including monoclonal and humanized antibodies and fragments thereof (pages 196-197), as well as labeled antibodies that bind these epitopes (paragraph bridging pages 205-206 through page 206, full paragraph 1).

### Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various

Art Unit: 1647

5

10

claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

The following rejection under 35 U.S.C. § 103 is made under the assumption that the effective filing date for the instantly claimed invention is February 22, 2000.

Claims 39, 43, 44 are rejected under 35 U.S.C. 103(a) as being unpatentable over Koehrer (u11). Koehrer teaches a hypothetical protein that is at least 99% identical to SEQ ID NO: 109, as indicated below:

```
hypothetical protein DKFZp566D213.1 - human
15
     C; Species: Homo sapiens (man)
     C;Date: 11-Jun-1999 #sequence_revision 11-Jun-1999 #text_change 13-Aug-1999
     C; Accession: T08724
     R; Koehrer, K.; Beyer, A.; Mewes, H.W.; Gassenhuber, J.; Wiemann, S.
     submitted to the Protein Sequence Database, May 1999
20
     A; Reference number: Z16468
     A; Accession: T08724
     A; Molecule type: mRNA
     A; Residues: 1-417 < KOE>
     A; Cross-references: EMBL: AL050275
25
     A; Experimental source: fetal kidney; clone DKFZp566D213
     C:Genetics:
     A; Note: DKFZp566D213.1
30
       Query Match
                            98.7%; Score 2351; DB 2; Length 417;
       Best Local Similarity 99.5%; Pred. No. 1.4e-150;
       Matches 415; Conservative
                                  0; Mismatches
                                                  2; Indels
                                                              0: Gaps
                                                                         0:
            1 MAPWPPKGLVPAVLWGLSLFLNLPGPIWLQPSPPPQSSPPPQPHPCHTCRGLVDSFNKGL 60
35
              Db
            {\tt 1} {\tt MAPWPPKGLVPAVLWGLSLFLNLPGPIWLQPSPPPQSSPPPQPHPCHTCRGLVDSFNKGL} {\tt 60} \\
           61 ERTIRDNFGGGNTAWEEENLSKYKDSETRLVEVLEGVCSKSDFECHRLLELSEELVESWW 120
     Qy
              40
     Db
           61 ERTIRDNFGGGNTAWEEENLSKYKDSETRLVEVLEGVCSKSDFECHRLLELSEELVESWW 120
          121 FHKQQEAPDLFQWLCSDSLKLCCPAGTFGPSCLPCPGGTERPCGGYGQCEGEGTRGGSGH 180
     Qу
```

Application/Control Number: 09/903,806 Page 9

Art Unit: 1647

```
Db
        121 FHKQQGAPDLFQWLCSDSLKLCCPAGTFGPSCLPCPGGTERPCGGYGQCEGEGTRGGSGH 180
    Qу
        181 CDCQAGYGGEACGQCGLGYFEAERNASHLVCSACFGPCARCSGPEESNCLQCKKGWALHH 240
            5
    Db
        181 CDCQAGYGGEACGQCGLGYFEAERNASHLVCSACFGPCARCSGPEESNCLQCKKGWALHH 240
    Qу
        241 LKCVDIDECGTEGANCGADQFCVNTEGSYECRDCAKACLGCMGAGPGRCKKCSPGYQQVG 300
        Db
10
        301 SKCLDVDECETEVCPGENKQCENTEGGYRCICAEGYKQMEGICVKEQIPESAGFFSEMTE 360
    Qу
            Db
        301 SKCLDVDECETEVCPGENKQCENTEGGYRCICAEGCKQMEGICVKEQIPESAGFFSEMTE 360
15
    Qу
        361 DELVVLQQMFFGIIICALATLAAKGDLVFTAIFIGAVAAMTGYWLSERSDRVLEGFI 417
           Db
        361 DELVVLQQMFFGIIICALATLAAKGDLVFTAIFIGAVAAMTGYWLSERSDRVLEGFI 417.
```

20 antibody that binds the hypothetical protein. However, it would have been obvious to one of ordinary skill in the art at the time of Applicants' invention to recombinantly produce and isolate the hypothetical protein and make antibodies thereto, with a reasonable expectation of success.

One of ordinary skill in the art would be motivated to make this modification so that expression of the hypothetical protein could be assessed or confirmed. The invention is prima facie obvious over the prior art.

#### Conclusion

No claims are allowable.

ANY INQUIRY CONCERNING THIS COMMUNICATION OR EARLIER COMMUNICATIONS FROM THE EXAMINER SHOULD BE DIRECTED TO DAVID S. ROMEO WHOSE TELEPHONE NUMBER IS (703) 305-4050. THE EXAMINER CAN NORMALLY BE REACHED ON MONDAY THROUGH FRIDAY FROM 7:30 A.M. TO 4:00 P.M.

IF ATTEMPTS TO REACH THE EXAMINER BY TELEPHONE ARE UNSUCCESSFUL, THE EXAMINER'S SUPERVISOR, GARY KUNZ, CAN BE REACHED ON (703) 308-4623.

IF SUBMITTING OFFICIAL CORRESPONDENCE BY FAX, APPLICANTS ARE ENCOURAGED TO SUBMIT OFFICIAL CORRESPONDENCE TO THE FOLLOWING TC 1600 BEFORE AND AFTER FINAL RIGHTFAX NUMBERS:

BEFORE FINAL (703) 872-9306 AFTER FINAL (703) 872-9307

IN ADDITION TO THE OFFICIAL RIGHTFAX NUMBERS ABOVE, THE TC 1600 FAX CENTER HAS THE FOLLOWING OFFICIAL FAX NUMBERS: (703) 305-3592, (703) 308-4242 AND (703) 305-3014.

CUSTOMERS ARE ALSO ADVISED TO USE CERTIFICATE OF FACSIMILE PROCEDURES WHEN SUBMITTING A REPLY TO A NON-FINAL OR FINAL OFFICE ACTION BY FACSIMILE (SEE 37 CFR 1.6 AND 1.8).

FAXED DRAFT OR INFORMAL COMMUNICATIONS SHOULD BE DIRECTED TO THE EXAMINER AT (703) 308-0294.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 308-0196.

45

40

35

Art Unit: 1647

Page 10

5

DAVID ROMEO PRIMARY EXAMINER ART UNIT 1647

DSR SEPTEMBER 30, 2002